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Universal Approximation Theorem  
 Nash Embedding Theorems  
 word-embedding vector space

Axiom of Choice

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Turing Test, AlphaGo dataset

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AlphaGo Zero 超human AlphaGo AlphaZero MuZero

SAE level 4

ready	Alphabet/Waymo	SAE level

4. SAE level 4 Alphabet/Waymo

Reward Is Enough reward reward reward Reward

SAE level 4

Universal Approximation Theorem Nash Embedding Theorems Word-embedding Vector Space

deep learning reinforcement learning

reward

Universal Approximation Theorem selfish gene



□ □

Deepmind    AlphaGo Zero    AlphaGo

**3**

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Solyndra [arXiv](#)  
[arXiv](#)

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1.

2.

### 3. Chaitin's constant

4.

**5.** □□□□ 1 - 4 □□□□□□□□□□□□□□□□□□□□□□

### B. □□□□□□□□□□□□□□

**6.**  relevance theory

7.

## **8.** Grigori Perelman □ Poincaré conjecture □□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□

**9.** Demis Hassabis □ AlphaGo □ intuition □ intuition □□ Demis Hassabis □□ AlphaGo □□□ intuition □□□□□ AlphaGo □□□□□□□□□□ a meta-solution to any problem □

**10. AlphaGo 超越 Nature 超human performance**

**C.** □□□□□□□□□□□□□□□□

**11.**  form

**12.**  motif

13. 如何理解“truth”和truth之间的关系？

14. 如何理解The Selfish Gene和The Immortal Gene之间的关系？

15. 如何理解Freeman Dyson的Birds and Frogs？birds和frogs之间的关系？

16. 如何理解Austrian School of Economics？

17. 如何理解selfish gene？

D. 如何理解：

18. 如何理解？

19. 如何理解？

20. 如何理解“”和“”？

21. 如何理解Turing Machine？deterministic, probabilistic, etc.？

22. 如何理解Turing Test？SAE level 4和level 5？

23. 如何理解word-embedding vector space？encoder-decoder, attention, transformer, BERT？

24. 如何理解deep-learning？deep residual networks？generative adversarial networks, etc.？

25. 如何理解Universal Approximation Theorem？overfitting和underfitting？chaos phenomena？

26. 如何理解reward？Reward Is Enough？

27. 如何理解selfish gene？

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**28.** \_\_\_\_\_  
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**E.** \_\_\_\_\_:

**29.** \_\_\_\_\_ O.J.Simpson \_\_\_\_\_  
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**30.** \_\_\_\_\_ reward \_\_\_\_\_

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\_\_\_\_\_ Freeman Dyson \_\_\_\_\_  
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\_\_\_\_\_ AlphaGo \_\_\_\_\_ Nature \_\_\_\_\_  
\_\_\_\_\_ SAE level 5 \_\_\_\_\_ SAE level 4 \_\_\_\_\_

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\_\_\_\_\_ The Selfish Gene \_\_\_\_\_

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**A**

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Softbank   Aldebaran Robotics   Pepper   Google X   Softbank  
Hyundai   Boston Dynamics

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context game regulated
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[illegible]

passion

[illegible]

# metaphysics



